

Amendment to the Claims

Listing of Claims:

1 1. (Previously presented) A compound having the formula:



3 wherein

4 Ab is an antibody;

5 G is an intact glycosyl linking group covalently joining Ab to L;

6 L is a bond or a spacer moiety covalently joining G to T; and

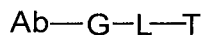
7 T is a toxin, wherein

8 said spacer moiety is a member selected from substituted or unsubstituted alkyl, substituted or
9 unsubstituted heteroalkyl and substituted or unsubstituted aryl moieties.

1 2. (Canceled)

1 3. (Previously presented) The compound according to claim 1, wherein said spacer moiety
2 comprises a poly(ethylene glycol) moiety.

1 4. (Previously presented) A compound having the formula:



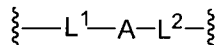
3 wherein

4 Ab is an antibody;

5 G is an intact glycosyl linking group covalently joining Ab to L;

6 L is a spacer moiety covalently joining G to T; and

7 T is a toxin, wherein L has the formula:



9 wherein

10 L¹ is a bond or a linker moiety covalently joining G to A;

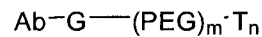
11 A is an amplifier moiety; and

12 L² is a bond or a spacer moiety covalently adjoining A to T.

1 5. (Original) The compound according to claim 4, wherein said amplifier moiety is a polyamine
2 moiety.

6. (Original) The compound according to claim 5, wherein said polyamine moiety is a dendrimer.

7. (Previously presented) The compound according to claim 4, having the formula:



wherein

PEG is a straight- or branched-chain poly(ethylene glycol);

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

8. (Previously presented) The compound according to claim 4, having the formula:

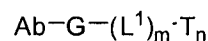


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

9. (Previously presented) The compound according to claim 4, having the formula:

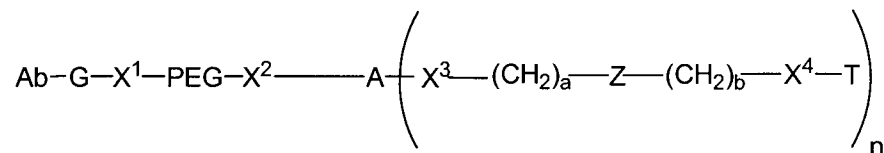


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

10. (Currently amended) A compound having the formula:



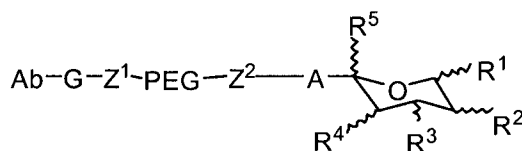
wherein

X^1 , X^2 , X^3 , and X^4 are linking groups and are members selected from the group consisting of O, S, NH, $(\text{CH}_2)_q\text{-NH}$, $\text{NH-(CH}_2)_q$, NH-C(O)-O , O-C(O)-NH , $(\text{CH}_2)_q\text{-NH-C(O)-O}$, $\text{O-C(O)-NH-(CH}_2)_q$, C(O)-O , O-C(O) , $(\text{CH}_2)_q\text{-NH-C(O)}$, $\text{C(O)-NH-(CH}_2)_q$, NH-C(S) , and C(S)-NH

and wherein

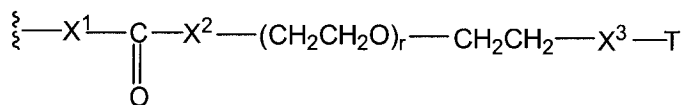
Ab is an antibody;
 G is an intact glycosyl linking group covalently joining Ab to \underline{X}^1 T;
 T is a toxin;
 A is an amplifier moiety;
 Z is a bond cleaved by a metabolic/physiological process;
 n is an integer from 1 to 1,000;
 a is an integer from 1 to 10;
 b is an integer from 1 to 10; and
 q is an integer from 0 to 20.

11. (Currently amended) A compound having the formula:



wherein

at least one of R¹, R², R³, R⁴, R⁵, is :



wherein

Ab is an antibody;
 G is an intact glycosyl linking group covalently joining Ab to \underline{Z}^1 T;
 T is a toxin;
 r is an integer from 1 to 2,500;
 A is an amplifier moiety;
 Z¹ is selected from the group consisting of O, S, and NH;
 Z² is selected from the group consisting of NH, and NH-(CH₂)q;

and

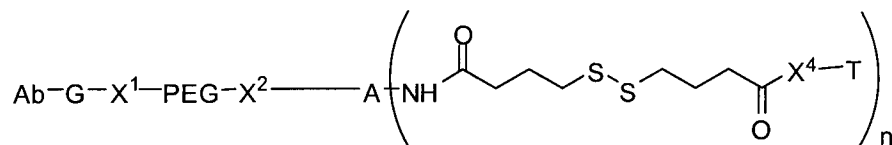
X¹, X² and X³ are linking groups and are members selected from the group consisting of
 O, S, NH, (CH₂)q-NH, NH-(CH₂)q, NH-C(O)-O, O-C(O)-NH,
 (CH₂)q-NH-C(O)-O, O-C(O)-NH-(CH₂)q, C(O)-O, O-C(O), (CH₂)q-NH-C(O),
 C(O)-NH-(CH₂)q, NH-C(S), and C(S)-NH

wherein

n is an integer from 1 to 1,000; and

q is an integer from 0 to 20.

12. (Currently amended) A compound having the formula:



wherein

X^1 , X^2 and X^4 are linking groups and are members selected from the group consisting of
 O, S, NH, $(\text{CH}_2)_q\text{-NH}$, $\text{NH-(CH}_2)_q$, NH-C(O)-O , O-C(O)-NH ,
 $(\text{CH}_2)_q\text{-NH-C(O)-O}$, $\text{O-C(O)-NH-(CH}_2)_q$, C(O)-O , O-C(O) , $(\text{CH}_2)_q\text{-NH-C(O)}$,
 $\text{C(O)-NH-(CH}_2)_q$, NH-C(S) , and C(S)-NH

wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to X^1 ;

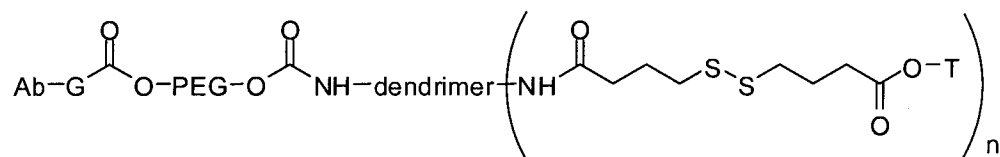
T is a toxin;

A is an amplifier moiety;

n is an integer from 1 to 1,000; and

q is an integer from 0 to 20.

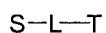
13. (Previously presented) The compound according to claim 12, having the formula:



wherein

n is an integer from 1 to 1,000.

14. (Withdrawn) A compound having the formula:



wherein

S is a nucleotide sugar

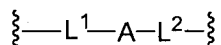
L is a bond or a spacer moiety covalently joining S to T; and

T is a toxin moiety.

1 15. (Withdrawn) The compound according to claim 14, wherein said spacer moiety is a member
2 selected from substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl and substituted or
3 unsubstituted aryl moieties.

1 16. (Withdrawn) The compound according to claim 15, wherein said spacer moiety comprises a
2 poly(ethylene glycol) moiety.

1 17. (Withdrawn) The compound according to claim 14, wherein L has the formula:



3 wherein

4 L^1 is a bond or a spacer moiety covalently joining S to A;

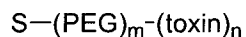
5 A is an amplifier moiety; and

6 L^2 is a bond or a spacer moiety covalently joining A to T.

1 18. (Withdrawn) The compound according to claim 17, wherein said amplifier moiety is a polyamine
2 moiety.

1 19. (Withdrawn) The compound according to claim 18, wherein said polyamine moiety is a
2 dendrimer.

1 20. (Withdrawn) The compound according to claim 17, having the formula:



3 wherein

4 PEG is a straight- or branched-chain poly(ethylene glycol);

5 m is an integer from 1 to 6; and

6 n is an integer from 1 to 1,000.

1 21. (Withdrawn) The compound according to claim 17, having the formula:

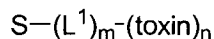


3 wherein

4 m is an integer from 1 to 6; and

5 n is an integer from 1 to 1,000.

1 22. (Withdrawn) The compound according to claim 17, having the formula:

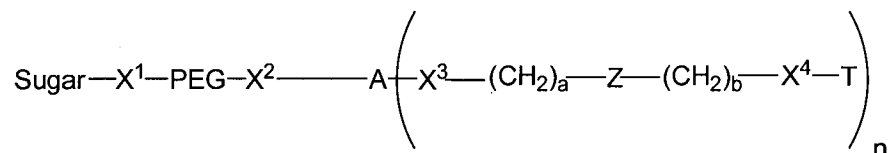


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

23. (Withdrawn) The compound according to claim 22, having the formula:



wherein

X^1 , X^2 and X^3 are linking groups and are members selected from the group consisting of
O, S, $\text{NH}(\text{CH}_2)_q\text{-NH}$, $\text{NH}-(\text{CH}_2)_q$, NH-C(O)-O , O-C(O)-NH , $(\text{CH}_2)_q\text{-NH-C(O)-O}$,
 $\text{O-C(O)-NH}-(\text{CH}_2)_q$, C(O)-O , O-C(O) , $(\text{CH}_2)_q\text{-NH-C(O)}$, $\text{C(O)-NH}-(\text{CH}_2)_q$,
 NH-C(S) , and C(S)-NH

and wherein

A is an amplifier moiety;

Z is a bond cleaved by a metabolic/physiological process;

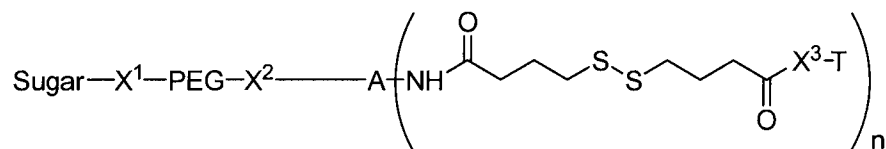
n is an integer from 1 to 1,000;

a is an integer from 1 to 10;

b is an integer from 1 to 10; and

q is an integer from 0 to 20.

24. (Withdrawn) The compound according to claim 14, having the formula:



wherein

X^1 , X^2 and X^3 are linking groups and are members selected from the group consisting of
O, S, $\text{NH}(\text{CH}_2)_q\text{-NH}$, $\text{NH}-(\text{CH}_2)_q$, NH-C(O)-O , O-C(O)-NH , $(\text{CH}_2)_q\text{-NH-C(O)-O}$,
 $\text{O-C(O)-NH}-(\text{CH}_2)_q$, C(O)-O , O-C(O) , $(\text{CH}_2)_q\text{-NH-C(O)}$, $\text{C(O)-NH}-(\text{CH}_2)_q$,
 NH-C(S) , and C(S)-NH

wherein

q is an integer from 0 to 20.

- 1 25. (Withdrawn) The compound according to claim 24, having the formula:

